



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010654
CERTIFICATION DATE: August 21, 2013
DATE RECERTIFICATION DUE: February 17, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

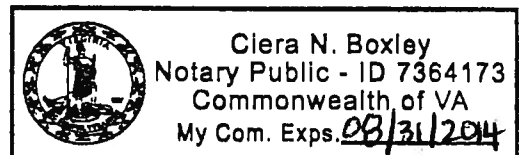
Melissa Kennedy
Section Supervisor, Breath Alcohol

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 3rd day of
September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH
WHL

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 8/22/2013**

Instrument Serial Number: 010654

As of 22-Aug-13

Maintenance Date	Certification Date	Technician Initials	Remarks
21-Aug-13	21-Aug-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
08-Mar-13	08-Mar-13	MMB (26417)	CERTIFIED. REPLACED DRY GAS STANDARD. REPLACED PRINTER.
19-Sep-12	19-Sep-12	DBH (21250)	CERTIFIED, REPLACED DRY GAS STANDARD.
09-Apr-12	09-Apr-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
03-Nov-11	03-Nov-11	TLN (25387)	CERTIFIED
24-May-11	24-May-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Dec-10	08-Dec-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Jun-10	29-Jun-10	RJP (22428)	CERTIFIED
16-Mar-10	16-Mar-10	DBH (21250)	CERTIFIED
07-Jan-10	07-Jan-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
30-Jul-09	30-Jul-09	DBH (21250)	CERTIFIED.
17-Mar-09	17-Mar-09	DBH (21250)	CERTIFIED.
15-Mar-09	15-Mar-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
12-Mar-09	12-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
09-Feb-09	09-Feb-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
WJN

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010654 Worksheet Start Date 8/21/2013

Location Dahlgren NWSC

Address 17497 Dahlgren Rd Dahlgren VA 22448

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒

☐

2 Environment free from contaminants

☒

☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒

☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒

☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒

☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒

☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒

☐

Old serial no. New serial no. Supplies
E-Seek Mouthpieces
Keyboard Certificates of Analysis
Printer Operator Worksheet
UPS Other:

40

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010654

Certification Date 8/21/2013

Instrument Barometer (mm HG) 766

Reference Barometer (mm HG) 766

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.251	0.243	0.258	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.248
0.001		0.248	0.249		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.151	0.146	0.155	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0.001		0.150	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.019
0.001		0.019	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG206601-09

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

8/22/13

Issuing Analyst

Melissa Kennedy

Date

8/27/13

DBH

WMA




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/21/2013
TEST EQUIPMENT NUMBER 010654		

RESULTS: TIME SAMPLE TAKEN 13:46 EDT
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 22 Aug 2013 at 09:27

DBH
NKH

Test Results

Instrument Serial Number 010654

Test # 000198 Subject Test

Test Location 1 Department of

Test Date 21 Aug 2013

Test Location 2 Forensic Science

Test Time 13:40

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

License Number 21250

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 21 Aug 2013 End Time 13:47

Result Time 13:46

Result Date 21 Aug 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:41

Data Type BLK

Sample Value 0.000

Sample Time 13:41

Data Type CHK

Sample Value 0.102

Sample Time 13:42

Data Type BLK

Sample Value 0.000

Sample Time 13:43

Data Type SUBJ

Sample Value 0.000

Sample Time 13:44

Data Type BLK

Sample Value 0.000

Sample Time 13:45

Data Type SUBJ

Sample Value 0.000

Sample Time 13:46

Data Type BLK

Sample Value 0.000

Sample Time 13:47

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG201104-07

Standard Expiration Date 01/11/2014

Tank Pressure 345

Barometric Pressure 765 mmHg

Blow Sample Number 1 Blow Duration 3.35 sec

Blow Volume 1803 cc End-of-Blow Time 13:44

Blow Sample Number 2 Blow Duration 3.50 sec

Blow Volume 1898 cc End-of-Blow Time 13:46

Tamper Evident Stamp 4bdad083

Test Status Code 0

Test Status Success

DBH

Red

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010654

System Date: 08/21/2013

System Time: 14:10 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010654 Test Number: 199

Test Date: 08/21/2013 Test Time: 14:14 EDT

Dry Gas Target: 0.101

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 477 psi Barometric Pressure: 764 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:14
CAL	0.101	14:15

Test Status: *Success*

Calibration CRC: 76AE544A

DBH

WJH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010654 Test Number: 200

Test Date: 08/21/2013 Test Time: 14:19 EDT

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 428 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:19
BLK	0.000	14:20
CHK	0.249	14:21
BLK	0.000	14:22
CHK	0.249	14:23
BLK	0.000	14:24
CHK	0.248	14:25
BLK	0.000	14:26

Success

standard value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010654 Test Number: 201
Test Date: 08/21/2013 Test Time: 14:29 EDT

Technician Initials: DBH

Dry Gas Target: 0.151

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 183 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:29
BLK	0.000	14:30
CHK	0.151	14:31
BLK	0.000	14:32
CHK	0.150	14:33
BLK	0.000	14:34
CHK	0.150	14:35
BLK	0.000	14:36

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

DBH

Intox EC/IR-11: Certification

Department of Forensic Science

Serial Number: 010654 Test Number: 202

Test Date: 08/21/2013 Test Time: 14:38 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 389 psi Barometric Pressure: 764 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:39
BLK	0.000	14:40
CHK	0.080	14:40
BLK	0.000	14:42
CHK	0.080	14:42
BLK	0.000	14:44
CHK	0.080	14:44
BLK	0.000	14:46

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010654 Test Number: 203
Test Date: 08/21/2013 Test Time: 14:48 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 272 psi Barometric Pressure: 763 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:48
BLK	0.000	14:49
CHK	0.019	14:50
BLK	0.000	14:51
CHK	0.020	14:52
BLK	0.000	14:53
CHK	0.019	14:54
BLK	0.000	14:55

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DE

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010654 Test Number: 204

Test Date: 08/21/2013 Test Time: 14:58 EDT

Dry Gas Target: 0.251

Lot Number: AG205404-03 Exp Date: 02/23/2014

Tank Pressure: 213 psi Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:00
CHK	0.253	15:00
BLK	0.000	15:02
CHK	0.253	15:03
BLK	0.000	15:04
CHK	0.253	15:05

Test Status: *Success*

Calibration CRC: 76AE544A

WA

intox EC/1R-11: Accuracy Check

Department of Forensic Science

Serial Number: 010654 Test Number: 205

Test Date: 08/21/2013 Test Time: 15:08 EDT

Dry Gas Target: 0.100

Lot Number: AG206601-09 Exp Date: 03/06/2014

Tank Pressure: 223 psi Barometric Pressure: 763 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:09
CHK	0.100	15:10
BLK	0.000	15:12
CHK	0.100	15:12
BLK	0.000	15:14
CHK	0.100	15:14

Test Status: *Success*

Calibration CRC: 76AE544A

DBH

WJL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 08/21/2013
TEST EQUIPMENT NUMBER 010654		

RESULTS: TIME SAMPLE TAKEN 15:24 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 22 Aug 2013 at 09:25

DBH
MZH

Test Results

Instrument Serial Number 010654

Test # 000206 Subject Test

Test Location 1 Department of
Test Date 21 Aug 2013

Test Location 2 Forensic Science
Test Time 15:18
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab
Card Serial Number 121250
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number
Driver's License State

Operator's First Name DONALD
License Number 21250
Operator's Middle Initial B
Effective Date 10/01/2012
Expiration Date 10/01/2014
Subject's First Name TEST
Subject's Date of Birth 00/00/0000
Subject's Sex Male
Driver's License Expiration 00/00/0000
Court Name DFS

End Date 21 Aug 2013 End Time 15:25

Result Time 15:24

Result Date 21 Aug 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:18

Data Type BLK

Sample Value 0.000

Sample Time 15:19

Data Type CHK

Sample Value 0.100

Sample Time 15:20

Data Type BLK

Sample Value 0.000

Sample Time 15:21

Data Type SUBJ

Sample Value 0.000

Sample Time 15:22

Data Type BLK

Sample Value 0.000

Sample Time 15:23

Data Type SUBJ

Sample Value 0.000

Sample Time 15:24

Data Type BLK

Sample Value 0.000

Sample Time 15:25

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG206601-09

Standard Expiration Date 03/06/2014

Tank Pressure 218

Barometric Pressure 763 mmHg

Blow Sample Number 1 Blow Duration 3.19 sec

Blow Volume 1795 cc

End-of-Blow Time 15:22

Blow Sample Number 2 Blow Duration 3.36 sec

Blow Volume 1758 cc

End-of-Blow Time 15:24

Tamper Evident Stamp c56f9883

Test Status Code 0

Test Status Success